LEGEND

QUATERNARY

Qbd — Creek and low bench deposits
Sand, gravel, silt, etc., locally auriferous

Qgb — Gravel plain and bench deposits
Sand, gravel, silt, etc., locally auriferous

POST-ORDOVICIAN(?)

i — Basic intrusives
Amygdaloidal basalt

grs — Greenstone
Sheared basic intrusives; locally shows some sulphide mineralization

cg — Casadepaga schist
Metamorphic schists of igneous origin seldom auriferous

P — Puckmummie schist
Black slates and schists

h — Hurrah slate
Black quartzose slates and schists widely mineralized

ORDOVICIAN(?)

Os — Sowik limestone
Massive light-blue crystalline limestone. Disseminated mineralization at contact

PRE-ORDOVICIAN(?)

ls / ms — Solomon schist
Micaceous and chloritic schists
Numerous quartz veins and lenses
Includes limestone lentils (ls) and some undifferentiated Sowik limestone

X — Placer

O — Locality where sulphide mineralization or auriferous veins have been noted

Fault

GEOLOGIC MAP OF CASADEPAGA QUADRANGLE, ALASKA

Scale 1/62500

1 ½ 0 1 2 3 4 Miles

1 ½ 0 1 2 3 4 5 Kilometers

Contour interval 25 feet.
Datum is mean sea level.
1909

Alfred H. Brooks, Geologist in charge.
Topography by T.G. Gerdine, W.B. Corse, and B.A. Yoder.
Control by Coast and Geodetic Survey.
Surveyed in 1905.

Geology by Philip S. Smith,
Frank J. Katz, and George I. Finlay
Surveyed in 1907-1908
Under the direction of Alfred H. Brooks